

Sikafloor[®]-Comfort Porefiller

2-part PUR part of the Sika[®]-ComfortFloor Pro[®] System

Product Description Sikafloor[®]-Comfort Porefiller is a two part, total solid, low VOC, PUR used for sealing and levelling.

Uses

- Is a durable high quality compound used for sealing and levelling of the permeable surface of prefabricated granular rubber sheets
- Particularly suitable for hospitals, schools, sales premises, showrooms, entrance halls, lobbies, open-plan offices, museums
- For interior use only

Characteristics / Advantages

- Good bonding properties
- Low VOC
- Non flammable
- No shrinking after curing
- Easy to apply

Product Data

Form

Appearance / Colours

Resin - part A:	light grey, liquid
Hardener - part B:	brown, transparent, liquid

Packaging

Part A:	16 kg containers
Part B:	4 kg containers
Part A+B:	20.0 kg ready to mix units

Storage

Storage Conditions / Shelf-Life 12 months from date of production if stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5°C and +30°C.

Prolonged vibrations and higher ambient temperatures during transportation can result in settling of the A Component, which makes mixing more difficult.

Prolonged storage at low temperatures can result in crystallizing of the B Component.



Technical Data

Chemical Base PUR

Density Mixed Resin: ~ 1.30 kg/l
All Density values at +23°C.

Solid Content ~ 100% (by volume) / ~ 100% (by weight)

Mechanical / Physical Properties

Tensile Strength Resin: ~ 5.0 N/mm² (14 days / +23°C) (DIN 53504)

Shore A Hardness Resin: ~ 89 (14 days / +23°C) (DIN 53505)

Elongation at Break Resin: ~ 60% (14 days / +23°C) (DIN 53504)

System Information

System Structure **Sika®-ComfortFloor Pro®:**
Adhesive: 1 x Sikafloor®-Comfort Adhesive
Rubber Shockpad: 1 x Sikafloor®-Comfort Regupol 4580
Porefiller: 1 x Sikafloor®-Comfort Porefiller
Wearing course: 1 x Sikafloor®-330
Seal coat (mandatory): 1-2 x Sikafloor®-305 W

Application Details

Consumption / Dosage Depending on the Shockpad structure. Approximately 0.5 kg/m².

Substrate Quality Concrete substrates must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm².
The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.
If in doubt, apply a test area first.

Substrate Preparation Concrete substrates and cementitious screeds must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.
Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.
Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products from the Sikafloor®, SikaDur® and SikaGard® range of materials.
High spots must be removed by e.g. grinding.
All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.

Application Conditions / Limitations

Substrate Temperature	+10°C min. / +30°C max.
Ambient Temperature	+10°C min. / +30°C max.
Substrate Moisture Content	≤ 3% pbw moisture content. Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).
Relative Air Humidity	80% r.h. max.
Dew Point	Beware of condensation. The substrate and uncured floor must be at least 3°C above dew point to reduce the risk of condensation or blooming on the floor finish.

Application Instructions

Mixing	Part A : part B = 80 : 20 (by weight)
Mixing Time	Check if the B component is free of crystallization. Should crystals be found the B component has to be heated to 60°C until all crystals redissolve. Premix the A Component and check the condition of the material. Add the complete contents of the B Component and mix A and B thoroughly to a homogeneous mixture. Do not dilute. Over mixing must be avoided to minimise air entrainment.
Mixing Tools	Sikafloor®-Comfort Porefiller must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.
Application Method / Tools	Prior to application, confirm substrate moisture content, r.h. and dew point. To gain the maximum flow properties the full contents of the mixture should be poured out as quickly as possible (within the potlife) and should be spread out immediately.
Cleaning of Tools	Clean all tools and application equipment with Thinner C immediately after use. Hardened and/or cured material can only be removed mechanically.

Potlife

Temperatures	Time
+10°C	~ 36 minutes
+20°C	~ 20 minutes
+30°C	~ 12 minutes

Waiting Time / Overcoating

Before applying Sikafloor®-330 on Sikafloor®-Comfort Porefiller allow:

Substrate temperature	Minimum	Maximum
+10°C	~ 12 hours	~72 hours
+20°C	~ 8 hours	~ 60 hours
+30°C	~ 6 hours	~ 48 hours

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

Notes on Application / Limitations

Do not apply Sikafloor®-Comfort Porefiller substrates with rising moisture.
 Do not apply on substrate surfaces with a slope > 1%.
 Uncured material reacts in contact with water (foaming). During application care must be taken that no sweat drops into fresh Sikafloor®- Sikafloor® Comfort Porefiller (wear head and wrist bands).

Tools

Serrated trowel for smooth wearing layer:
 e.g. Large-Surface Scrapper No. 565, Toothed blades No. 25

If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

Curing Details

Applied Product ready for use

Temperature	Foot traffic	Full cure
+10°C	~ 12 hours	~72 hours
+20°C	~ 8 hours	~ 60 hours
+30°C	~ 6 hours	~ 48 hours

Note: Times are approximate and will be affected by changing ambient conditions

Value Base

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notes

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms and conditions of sale. Users should always refer to the most recent issue of the Australian version of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

